36858

Scope of Work for RI/FS Oversight - Asbestos Dump

EPA requires enforcement for the Asbestos Dump Site Remedial Investigation and Feasibility Study (RI/FS) activities which will be conducted by Fred C. Hart Associates as a consultant for the responsible parties. The RI/FS activities are being undertaken in accordance with the requirements of an Administrative Order issued by the EPA (Index No. II-CERCLA-50103).

Support tasks will include:

1. Performance of field investigation oversight and confirmatory sampling and analysis.
2. Preparation of a summary report.
3. Review and comment on Draft RI report and FS report.

Task 1- Field Activities

Contractor shall oversee Fred C. Hart Associates' investigation work at the site, shall perform sampling and initiate EPA Contract Laboratory analyses for designated groundwater, soil, sediment, surface water and air sample points. Samples should be split between contractor and Fred C. Hart Associates. RI tasks should be monitored for adherence to the Administrative Order andthe approved project plans. Contractor should maintain a logbook to record observations. A summary report, documenting all results of this task, should be prepared.

Task 2- RI Report Revie

Contractor will conduct a detailed technical review of the Draft RI Report and submit comments to EPA.

Task 3- FS Report Review

Contractor will conduct a detailed technical review of the Preliminary FS Report and submit comments to EPA.

ASBESTOS DUMP - SCOPE OF WORK

BACKGROUND

Between 1953 and 1978, National Gypsum Company owned and operated an asbestos cement siding sheets and shingles manufacturing plant in Millington, New Jersey. National Gypsum used phenylmercaric acetate as a coating material, from 1959 through 1972 at the Millington plant. To help process it's waste streams, the company utilized at least three surface lagoons at the Millington property. This property is also the site of a waste pile containing asbestos, which extends for a distance of approximately 450 feet along the Passaic River at the western end of the property.

There is a threat that asbestos fibers may enter the Passaic River,a potable water supply, due to the erosion of cover material on the asbestos pile.

Asbestos - containing wastes generated by the company while operating at the Millington property were disposed of at the following three locations:

(a) The area known as the Dietzman Tract of the Great Swamp National Wildlife Refuge in Harding Township, New Jersey,

(b) The Pine Valley Tree Service property at 237 New Vernon Road in Passaic Township, New Jersey and

(c) The property at 651 White Bridge Road in Passaic Township, New Jersey.

The property at 237 New Vernon Road along with the one at 651 White Bridge Road are individual residences. The Dietzman Tract, is part of a publicly - accessible Wildlife Refuge area used by hikers and other visitors.

In April 1985, the U.S. Environmental Protection Agency (EPA) and National Gypsum entered into an Administrative Order on Consent, whereby National Gypsum agreed to perform a Remedial Investigation and Feasibility Study (RI/FS) at the Millington property in addition to the other three sites.

The Site Investigation and Compliance Branch (Region II) is requesting, the TES contractor to perform oversight of the Responsible Party's Remedial Investigation field activities. To ensure that the tasks are carried out in accordance with the Administrative Order, work plan, site operations plan and all applicable guidelines and regulations provided by the New Jersey Department of Environmental Protection (NJDEP).

TASKS

Ambient Air

Approximately 20 samples will be taken during Subsurface Investigations for simple asbestos fiber counts, in order to evaluate exposure of RI/FS field team to airborne concentrations generated during drilling.

Subsurface Investigation

A subsurface investigation is proposed to provide a detailed analysis of geologic and hydrologic conditions, site stratigraphys and groundwater regimes.

In order to define groundwater flow, a series of seven monitoring wells are proposed for Millington Site. A series of 15-20 hollow stem auger borings are proposed for the Great Swamp Site, with at least 10 being completed as monitoring wells. The White Bridge Road and Pine Valley Tree Service Sites are relatively small. Therefore, the subsurface investigations at these sites will be reduced in scope, until evidence suggests greater concern for groundwater contamination.

Subsurface Water & Sediment

Surface water and sediment samples will be collected to define the extent of contamination in the Passaic River and it tributaries, Great Brook and Black Brook.

Subsurface Soil/Waste

Subsurface soils and/or asbestos waste materials will be sampled during the Subsurface Investigation at both the Millington and Great Swamp Sites.

Surface and Groundwater Monitoring

Following the initial surface and groundwater sampling and analysis, parameters indicative of the contaminants present may be identified.

Two subsequent sampling tours are projected in order to provide suitable data base to define the presence or absence of on-site groundwater contamination at the Millington and Great Swamp Sites and to identify offsite surface water contamination.

Potable Water Supplies

The residences near White Bridge Road Site and the New Vernon Site are not served by municipal water supplies. Because the degree of groundwater contamination, if any, as a result of disposals of sludges on these sites is unknown, sampling of the nearby domestic well will be undertaken.

Aquatic Impact Assessment

The benthic macroinvertebrate community will be examined at selected locations within Great Brook, Black Brook and the Passaic River in order to investigate potential impacts from the dump sites.

DELIVERABLES

The contractor will be required to provide the Project Officer with weekly reports on all the site activities.

SCHEDULE

Please find attached, the proposed Remedial Investigation schedule.

TRAVEL

The contractor's travel requirements and meeting attendance is anticipated to be minimal.